

ABSTRACT

An apparatus for printing pages of a print job includes a page analyzer, a converting apparatus, an identifying apparatus, an optimizer apparatus, a storage apparatus, and a merging apparatus. The page analyzer is operative to identify static page aspects and variable page aspects from page data within a print job. The converting apparatus communicates with the page analyzer and is operative to convert the static page aspects into static page layout objects and the variable page aspects into variable print data. The identifying apparatus communicates with the converting apparatus and is operative to identify the static page layout objects in the manner allowing for an optimized form to be created, and to allow for appropriate merging with the variable print data. The optimizer apparatus communicates with the identifying apparatus and is operative to convert the static page layout objects to an optimized form. The storage apparatus communicates with the optimizer apparatus and is operative to store at least one instantiation of the static page layout objects in the optimized form. A merging apparatus communicates with the storing apparatus and is operative to merge the static page layout objects with the variable print data to create merged print data. A method is also provided.

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